MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

APRIL, 1938

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

APRIL 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	65.1	65.0	66.0	65.4	19.1	10.8	14.8	18.3	12.3	15.1
2	6.4	5.8	5.7	6.0	19.7	13.3	16.9	18.8	13.1	16.3
3	6.0	5.0	5.8	5.6	20.7	13.7	17.8	20.2	16.1	18.0
4	6.5	4.7	4.3	5.2	22.1	16.2	18.2	20.4	17.8	18.8
5	1.2	59.3	58.6	59.7	27.2	18.9	21.8	26.4	20.9	23.0
6	58.4	58.4	60.3	59.0	24.4	17.0	20.6	18.9	17.9	19.1
7	9.6	9.2	59.5	9.4	24.2	15.3	20.9	22.6	16.4	20.0
8	60.2	9.1	9.0	9.4	21.6	13.1	18.6	20.6	16.4	18.3
9	59.1	8.0	8.5	8.5	19.3	14.0	16.4	18.4	16.2	17.0
10	61.9	62.8	63.8	62.8	23.3	13.7	18.6	21.2	15.7	18.5
11	64.2	62.5	62.0	62.9	21.7	13.8	19.1	21.0	16.1	18.7
12	0.9	58.2	55.5	58.2	22.5	15.6	19.1	21.7	16.6	19.1
13	55.6	6.1	6.6	6.1	21.3	12.9	19.1	21.1	15.7	18.6
14	6.8	8.6	60.6	8.7	18.5	12.1	14.3	16.7	13.8	14.9
15	61.8	61.9	62.1	61.9	17.8	13.7	16.8	17.6	14.1	16.2
16	58.3	50.8	53.1	54.1	27.7	15.6	15.9	26.1	19.8	20.6
17	5.9	7.4	8.0	7.1	19.9	11.5	17.5	15.6	14.4	15.8
18	8.6	60.2	62.8	60.5	19.7	12.3	12.3	17.7	14.8	14.9
19	64.5	4.1	4.0	4.2	21.1	14.5	17.5	20.2	16.2	18.0
20	3.2	1.8	1.0	2.0	23.2	16.7	19.9	22.0	18.6	20.2
21	59.1	57.2	56.3	57.5	28.3	21.0	23.8	25.3	19.4	22.8
22	5.7	5.0	6.5	5.7	26.9	21.2	23.3	24.9	21.6	23.3
23	8.3	8.2	8.6	8.4	26.7	18.1	23.3	23.9	21.6	22.9
24	60.7	8.1	9.5	9.4	23.9	16.9	19.4	23.0	19.4	20.6
25	58.4	7.5	8.3	8.1	24.4	16.8	21.9	23.4	18.3	21.2
26	57.8	55.3	52.6	55.2	26.0	19.2	19.2	21.9	19.8	20.3
27	0.2	3.8	7.1	3.7	30.9	16.4	25.2	22.8	18.4	22.1
28	8.6	7.6	7.4	7.9	24.3	17.3	20.3	20.5	18.2	19.7
29	8.4	60.1	60.9	9.8	23.3	14.2	20.0	22.9	17.2	20.0
30	62.2	1.7	1.1	1.7	24.1	16.1	19.8	22.6	18.2	20.2
	760.12	759.45	759.85	759.80	23.13	15.40	19.08	21.22	17.17	19.14

Barometer, range for month 750.2 mm.–766.5 mm.

„ 50-yr. average for month 760.038 mm.

Thermometer, range for month 10.8° C.—30.9° C.

„ 50-yr. average for month 18.90° C.

Rain, total for month 35.699 mm.

„ , 50-yr. average for month 55.88 mm.

„ , total, Sept. 1st to end of month 1157.005 mm.

„ 50-yr. average, Sept. 1st to end of month 881.90 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	8.0	8.4	7.8	8.1	64	53	73	63	8.5	294.8	1.194
2	8.7	10.7	7.9	9.1	60	67	70	66	10.1	330.1	
3	10.4	11.3	11.0	10.9	69	64	82	72	10.1	294.0	
4	11.3	13.4	10.2	11.6	73	75	67	72	10.2	265.5	
5	10.1	8.6	10.0	9.6	52	34	54	47	9.6	324.8	
6	10.6	12.0	11.1	11.2	58	74	73	68	0.6	481.5	
7	11.4	13.3	13.3	12.7	62	65	96	74	9.8	397.5	
8	11.2	10.6	11.6	11.1	71	57	84	71	9.7	266.7	
9	10.0	10.6	12.1	10.9	72	68	88	76	1.4	179.3	
10	10.5	12.5	10.9	11.3	67	67	83	72	10.2	198.7	
11	10.9	10.6	11.3	10.9	67	58	84	70	10.3	307.2	
12	12.1	13.0	12.8	12.6	74	68	91	78	9.5	242.2	
13	12.2	10.7	13.1	12.0	74	57	99	77	5.2	717.8	
14	9.3	11.7	9.8	10.3	77	83	83	81	3.0	490.2	8.422
15	10.3	10.8	9.5	10.2	73	72	79	75	1.2	304.8	2.413
16	10.4	8.3	9.9	9.5	78	32	57	56	0.1	780.0	
17	9.0	10.4	9.6	9.7	61	80	78	73	3.9	804.0	5.461
18	12.3	14.7	13.5	13.5	99	69	85	84	3.9	392.4	18.209
19	10.7	11.9	11.8	11.5	72	67	86	75	9.5	476.6	
20	13.4	14.7	12.0	13.4	77	75	75	76	11.5	157.8	
21	10.7	16.4	13.1	13.4	50	69	78	66	8.4	47.6	
22	14.9	15.7	13.3	14.6	70	67	69	68	10.3	45.8	
23	13.3	15.4	13.3	14.0	62	70	69	67	7.5	114.3	
24	15.3	16.0	13.9	15.1	91	77	83	84	5.2	347.3	
25	15.4	15.7	15.6	15.6	78	74	99	84	12.0	205.2	
26	14.5	15.6	15.4	15.2	87	80	90	86	2.7	407.4	
27	12.2	13.9	13.6	13.2	52	68	86	69	10.0	550.0	
28	13.8	14.0	13.9	13.9	78	78	89	82	8.4	460.2	
29	13.3	12.6	10.8	12.2	77	61	74	71	9.8	352.0	
30	12.2	13.4	13.2	12.9	70	66	85	74	12.6	273.3	
	11.61	12.56	11.84	12.01	70.5	66.5	80.3	72.6	7.47	343.60	1.190

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cu	4cicu	0	4.7	3s	2sw	3s	slight	
2	4cu	5cu	0	3.0	3s	3s	2s	„	
3	3ci	3ci	4ci	3.3	3sw	2w	3nw	„	
4	0	3stcu	10ci	4.3	2n	2n	3ne	mod.	
5	6stcu	10ci	7ci	7.7	3s	4n	3ne	slight	
6	10ci	10cu	10cu	10.0	3s	6n	3w	mod.	
7	0	0	2	0.7	2s	4s	3s	slight	mist a.m.
8	8cu	5cu	9cu	7.3	3w	3sw	2s	mod	
9	10cu	6cu	0	5.3	2s	2se	1s	slight	
10	1cu	4cu	0	1.7	2s	3w	1se	„	
11	0	0	2ci	0.7	2n	3n	4ne	„	
12	0	10ci	6cu	5.3	2n	2n	2s	calm	mist a.m.
13	10cu	5cu	10nicu	8.3	4s	4s	4s	rough	
14	10ni	10ni	8cu	9.3	6s	4s	3s	stormy	hail a.m.
15	10nicu	10cu	10cu	10.0	2s	3s	3s	rough	
16	10cicu	10ci	10ci	10.0	2e	4e	6w	mod	
17	10cu	10ni	4cu	8.0	4s	5s	5s	rough	
18	10ni	8cu	4cu	7.3	5s	3s	3s	stormy	
19	3stcu	10stcu	3cu	5.3	2sw	3n	5n	mod.	mist a.m.
20	6cist	3ci	0	3.0	2n	2n	1n	slight	
21	10ci	10ci	0	6.7	2s	1w	0	calm	mist a.m.
22	0	6ci	10cu	5.3	0	1se	1e	„	
23	9ci	10cu	10cicu	9.7	1nw	2nw	1se	„	mist a.m.
24	10cu	7ci	0	5.7	2s	3n	3n	„	„ „
25	0	0	6cu	2.0	2n	3nw	2n	„	„ „
26	10cu	10ci	0	6.7	2ne	3n	3ne	slight	„ „
27	0	0	0	0.0	2s	4s	4s	rough	„ „
28	5cu	10cu	10cu	8.3	3sw	3s	3s	mod.	„ „
29	4stcu	3cu	2st	3.0	2n	3nw	3w	slight	
30	0	0	4cu	1.3	4s	3nw	2s	„	
					77	90	82		
				5.46	2.6	3.0	2.7		

8 10 9

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	6	1	1	0	15	4	1	1	1	30
14:30	9	0	1	2	9	2	3	4	0	30
20:30	4	4	1	2	14	0	3	1	1	30
Totals	19	5	3	4	38	6	7	6	2	90

Number of days with rain 5, fog 0, thunderstorms 0, gales 0.

50 yr. average number of days with rain during month 6.3